

**ABSTRACT**

When, according to the invention, a multistage planetary gear is constructed with a clutch/brake device (8, 21, 22) and these devices are constructed as remote-controlled or automatically operating clutches/brakes, it is possible to construct multistage gears which are compact, and which are reliable in operation. The gear stages are configured as cooperating tooth engagements (6, 6.1, 6.2) on rotating parts, which ensures the function at high speeds of rotation and allows transfers of great power.